United Nations

Framework Convention on Climate Change

FCCC/ASR/2018/EST

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English only

Status report on the annual inventory of Estonia

1. This status report was prepared by the secretariat pursuant to the annex to decision 22/CMP.1 in conjunction with decision 4/CMP.11, as part of the initial check of Estonia's 2018 annual inventory, submitted in accordance with decisions 24/CP.19 and 15/CMP.1 in conjunction with decisions 3/CMP.11 and 2/CMP.8. It reflects the content of the 2018 annual inventory as submitted by the Party (dates of submission are provided in the tables on pages 2 and 3).

2. In this report, the following acronyms are used:

CRF: common reporting format
GHG: greenhouse gas
HWP: harvested wood products
IPPU: industrial processes and product use
KP-LULUCF: land use, land-use change and forestry activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol
LULUCF: land use, land-use change and forestry
NIR: national inventory report
SBDT: sectoral background data tables
SEF: standard electronic format

Gases

CO_2: carbon dioxide
CH_4: methane
N_2O: nitrous oxide
HFCs: hydrofluorocarbons
PFCs: perfluorocarbons
MIX: unspecified mix of HFCs and PFCs
SF_6: sulfur hexafluoride
NF_3: nitrogen trifluoride
NOx: nitrogen oxides
CO: carbon monoxide
NMVOCs: non-methane volatile organic compounds
SO_2: sulfur dioxide

Kyoto Protocol units

AAU: assigned amount unit
CER: certified emission reduction
ERU: emission reduction unit
lCER: long-term certified emission reduction
RMU: removal unit
tCER: temporary certified emission reduction

Notation keys

C: confidential
IE: included elsewhere
NA: not applicable
NE: not estimated
NO: not occurring

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GREENHOUSE GAS INVENTORY SUBMISSION													
General information		*Date of receipt*			*Date of resubmission*			*Comments*					
	NIR	13 April 2018											
	CRF tables[a]	14 April 2018			22 May 2018								
	Additional information[b]	13 April 2018						Files submitted (13 April 2018): ▪ Annex_A_-_CSEUR.PDF ▪ Annex_B_-_Changes_in_EUCR_v8.08.xlsx					
	CRF tables provided for years	1990–2016											
	Base year or period[c]	1990			Base year for HFCs, PFCs and SF_6[d]			1995			Base year for NF_3[e]		1995
	Gases covered	CO_2	CH_4	N_2O	HFCs	PFCs	MIX	SF_6	NF_3	NO_X	CO	NMVOCs	SO_2
		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
NIR	Description	The organization of the NIR generally follows the structure outlined in the "Guidelines for the preparation of national communications by Parties included in Annex I to the Convention, Part I: UNFCCC reporting guidelines on annual greenhouse gas inventories" (annex to decision 24/CP.19).											
	Language	English											
CRF[f] tables	Source categories accounting for 7% or more of Party's aggregate emissions from sources included in Annex A to the Kyoto Protocol	No missing source category accounting for 7% or more has been identified.											

[a] CRF tables are contained in annex II to decision 24/CP.19.

[b] Additional information can be any information submitted by the Party in conjunction with the NIR or CRF tables.

[c] Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or period of years other than 1990, in accordance with the provisions of Article 4, paragraph 6, of the Convention and decisions 9/CP.2 and 11/CP.4.

[d] A Party may select 1995 as the base year for HFCs, PFCs and SF_6 in accordance with Article 3, paragraph 8, of the Kyoto Protocol.

[e] A Party may select 1995 or 2000 as the base year for NF_3 in accordance with Article 3, paragraph 8 bis of the Doha Amendment.

[f] In accordance with decision 15/CMP.1, paragraph 3(b), in conjunction with decision 3/CMP.11.

SUBMISSION OF SUPPLEMENTARY INFORMATION UNDER ARTICLE 7, PARAGRAPH 1, OF THE KYOTO PROTOCOL					
Reporting of supplementary information		*Date of receipt*	*Date of resubmission*	*Comments*	
	KP-LULUCF information[a]	14 April 2018		NIR Chapter 11	
	KP-LULUCF CRF tables[b]	14 April 2018	22 May 2018	KP-LULUCF CRF tables provided for years	1990- 2016
	Information on Kyoto Protocol units (ERUs, CERs, RMUs and AAUs)[c]	14 April 2018		NIR Chapter 12	
	SEF tables[d] with Kyoto Protocol units	13 April 2018	16 May 2018	Reported year: 2017 • SEF table for the first commitment period (reporting year 2017) submitted on 13 April 2018 and resubmitted on 16 May 2018 • SEF table for the second commitment period (reporting year 2017) submitted on 13 April 2018	
	Changes in national system[e]	13 April 2018		NIR Chapter 13	
	Changes in national registry[e]	13 April 2018		NIR Chapter 14	
	Minimization of adverse impacts[e]	13 April 2018		NIR Chapter 15	

[a] Parties are required to include in their annual submission information on anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, in accordance with decision 2/CMP.8, annex II, paragraphs 1–5.

[b] Parties are required to report anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, forest management and, if any, elected activities under Article 3, paragraph 4. Parties may also elect to report these tables for the base year or 1990.

[c] Parties are required to include in their annual submission information on ERUs, CERs, tCERs, lCERs, AAUs and RMUs, in accordance with decision 15/CMP.1, annex, chapter I.E, in conjunction with annex II to decision 3/CMP.11.

[d] As required by annex II to decision 3/CMP.11.

[e] The requirements for Parties to report on changes in the national system in accordance with Article 5, paragraph 1, of the Kyoto Protocol, changes in the national registry, and the minimization of adverse impacts in accordance with Article 3, paragraph 14, of the Kyoto Protocol, are set out in decision 15/CMP.1, annex, chapters I.F, I.G and I.H respectively, in conjunction with annex II to decision 3/CMP.11.

PART I

Provision of information for the latest reported inventory year in the CRF tables: 2016

		Energy		*IPPU*		*Agriculture*		*LULUCF*		*KP-LULUCF*[a]		*Waste*	
Tables	Sectoral report tables	1	✓	2(I)	✓	3	✓	4	✓	NIR-1	✓	5	✓
				2(II)	✓								
	SBDT	1.A(a)	✓	2(I).A–H	✓	3.A	✓	4.1	✓	NIR-2	✓	5.A	✓
		1.A(b)	✓	2(II) B-H	✓	3.B(a)	✓	4.A	✓	NIR-3	✓	5.B	✓
		1.A(c)	✓			3.B(b)	✓	4.B	✓	4(KP) Recalculations		5.C	✓
		1.A(d)	✓			3.C	✓	4.C	✓	4(KP)	✓	5.D	✓
		1.B.1	✓			3.D	✓	4.D	✓	4(KP-I)A.1	✓		
		1.B.2	✓			3.E	✓	4.E	✓	4(KP-I)A.1.1	✓		
		1.C	✓			3.F	✓	4.F	✓	4(KP-I)A.2	✓		
		1.D	✓			3.G-I	✓	4(I)	✓	4(KP-I)A.2.1	✓		
								4(II)	✓	4(KP-I)B.1	✓		
								4(III)	✓	4(KP-I)B.1.1	✓		
								4(IV)	✓	4(KP-I)B.1.2	✓		
								4(V)	✓	4(KP-I)B.1.3	✓		
										4(KP-I)B.2	✓		
										4(KP-I)B.3	✓		
										4(KP-I)B.4	✓		
										4(KP-I)B.5	✓		
										4(KP-I)C	✓		
										4(KP-II)1	✓		
										4(KP-II)2	✓		

PART I

Provision of information for the latest reported inventory year in the CRF tables: 2016 (continued)

								4(KP-II)3	✓				
								4(KP-II)4	✓				
								Accounting table	✓				
	Summary tables	Summary table 1.A	✓	Summary table 2	✓			Summary table 3				✓	
	Other tables	Table 6 (Indirect emissions of N_2O and CO_2)	✓	Table 7 (Overview for key categories)	✓			Table 8 (Recalculation – recalculated data)					
		Table 9 (Completeness)	✓	Table 10 (Emission trends)	✓								
	Comments	Key categories are reported differently in the NIR compared with CRF table 7, which may lead to inconsistencies (e.g. in the level of aggregation and categories identified).											
Totals	*Provided for gases*	*CO_2* ✓		*CH_4* ✓		*N_2O* ✓		*HFCs* ✓		*PFCs* ✓		*MIX* ✓	*SF_6* ✓	*NF_3* ✓
	Provided for years	1990–2016		1990–2016		1990–2016		1990–2016		1990–2016		1990–2016	1990–2016	1990–2016
CO_2	*Comparison of CO_2 emissions from fuel combustion*	*Reference approach*		*Sectoral approach*		*Difference more than 2%*		*If difference is more than 2% explanation provided in CRF table 1.A(c)*						
		✓		✓										
HFCs and PFCs	*Disaggregation by species*	*HFCs*				*PFCs*								
		✓				✓								
Notation keys	*Used in*	*Summary table 1.A*	✓			*Sectoral report tables*		✓		*SBDT*		✓		
	Comments													

[a] Parties are required to report anthropogenic GHG emissions by sources and removals by sinks from LULUCF activities under Article 3, paragraph 3, of the Kyoto Protocol, and, if any, elected activities under Article 3, paragraph 4, using the agreed CRF tables adopted under decision 6/CMP.9.

PART II

Provision of CRF tables for years reported

			Years																
			Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*	*2015*	*2016*	*Comments*
Energy	Sectoral report: Table 1		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	SBDT	Table 1.A(a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.A(b)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.A(c)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.A(d)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.B.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2016. For these years the notation key NO is used.
		Table 1.B.2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 1.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2016. For these years the notation key NO is used.
		Table 1.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
IPPU	Sectoral report	Table 2(I)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 2(II)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation key NO is used.
	SBDT	Table 2(I).A–H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 2(II).B–H	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation key NO is used.

PART II

Provision of CRF tables for years reported (continued)

			Years																
			Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*	*2015*	*2016*	*Comments*
Agriculture	Sectoral report: Table 3		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	SBDT	Table 3.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 3.B(a)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 3.B(b)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 3.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2016. For these years the notation key NO is used.
		Table 3.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 3.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2016. For these years the notation key NO is used.
		Table 3.F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2016. For these years the notation keys NA and NO are used.
		Table 3.G-I	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

PART II

Provision of CRF tables for years reported (continued)

			Years															
			Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*	*2015*	*2016*	*Comments*
	Sectoral report Table 4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
LULUCF	*SBDT*	Table 4.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.F	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4.G	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–1991. For these years the notation keys NA and NE are used.
		Table 4(I)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990–2016. For these years the notation keys NA and NO are used.
		Table 4(II)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4(III)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4(IV)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 4(V)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

PART II

Provision of CRF tables for years reported (continued)

			Years					
			Base year[a]	*2013*	*2014*	*2015*	*2016*	*Comments*
KP-LULUCF	*Sectoral report*	Table NIR-1	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation key NA is used.
		Table NIR-2	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation key NA is used.
		Table NIR-3	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation key NA is used.
		Table 4(KP) Recalculations	✓	✓	✓	✓		No numerical data are reported in this table for the year 1990. For this year the notation key NA is used.
		Table 4(KP)	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation keys NA and NO are used.
	SRDT	Table 4(KP-I)A.1	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation key NA is used.
		Table 4(KP-I)A.1.1	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990 and 2013–2016. For the year 1990 the notation key NA is used. For the years 2013–2016 the notation keys NA and NO are used.
		Table 4(KP-I)A.2	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation key NA is used.
		Table 4(KP-I)A.2.1	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990 and 2013–2016. For these years the notation key NA is used.
		Table 4(KP-I)B.1	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation key NA is used.
		Table 4(KP-I)B.1.1	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation key NA is used.
		Table 4(KP-I)B.1.2	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990 and 2013–2016. For these years the notation key NA is used.
		Table 4(KP-I)B.1.3	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation key NA is used.
		Table 4(KP-I)B.2	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990 and 2013–2016. For these years the notation key NA is used.
		Table 4(KP-I)B.3	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990 and 2013–2016. For these years the notation key NA is used.
		Table 4(KP-I)B.4	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990 and 2013–2016. For these years the notation key NA is used.
		Table 4(KP-I)B.5	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990 and 2013–2016. For these years the notation key NA is used.
		Table 4(KP-I)C	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year 1990 the notation key NA is used.
		Table 4(KP-II)1	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990 and 2013–2016. For the year 1990 the notation key NA is used. For the years 2013–2016 the notation keys NA and NO are used.

PART II

Provision of CRF tables for years reported (continued)

			Years					
			Base year[a]	*2013*	*2014*	*2015*	*2016*	*Comments*
		Table 4(KP-II)2	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990 and 2013–2016. For these years the notation key NA is used.
		Table 4(KP-II)3	✓	✓	✓	✓	✓	No numerical data are reported in this table for the years 1990 and 2013–2016. For these years the notation key NA is used.
		Table 4(KP-II)4	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation keys NA and NO are used.
		Accounting table	✓	✓	✓	✓	✓	No numerical data are reported in this table for the year 1990. For this year the notation keys NA and NO are used.

PART II

Provision of CRF tables for years reported (continued)

			Years															
			Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*	*2015*	*2016*	*Comments*
Waste		Sectoral report Table 5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	SWDT	Table 5.A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 5.B	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 5.C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
		Table 5.D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

PART II Provision of CRF tables for years reported (continued)																		
		Years																*Comments*
		Base year[a]	*1990*	*1995*	*2000*	*2005*	*2006*	*2007*	*2008*	*2009*	*2010*	*2011*	*2012*	*2013*	*2014*	*2015*	*2016*	
Summary and other tables	Summary table 1.A (Report for national GHG inventories)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Summary table 2 (CO_2 equivalent emissions)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Summary table 3 (Methods and emission factors used)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 6 (Indirect emissions of N_2O and CO_2)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 7 (Overview for key categories)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 8 (Recalculation – recalculated data)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	Table 9 (Completeness)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Table 10 (Emission trends)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

[a] Parties included in Annex I to the Convention undergoing the process of transition to a market economy may use a base year or period of years other than 1990 in accordance with the provisions of Article 4, paragraph 6, of the Convention and decision 24/CP.19.

PART III Provision of information relating to recalculations						
Table 8 (Recalculation – recalculated data)	✓	Comments	Explanatory information relating to recalculations is provided in chapter 10 of the NIR			
Recalculation reported for years	1990–2015					
Recalculated sectors/gases	Energy	IPPU	Agriculture	LULUCF	Waste	KP-LULUCF
CO_2	✓	✓	✓	✓		✓
CH_4	✓		✓	✓	✓	✓
N_2O	✓		✓	✓		✓
HFCs		✓				
PFCs						
Unspecified mix of HFCs and PFCs						
SF_6						
NF_3						
Percentage difference in aggregate GHG emissions	Base-year estimate [a]	Including LULUCF:	0.48%	Excluding LULUCF:	-0.01%	
	Latest recalculated year [b]	Including LULUCF:	0.71%	Excluding LULUCF:	0.05%	

[a] Parties included in Annex I to the Convention undergoing the process of transition to a market economy are allowed to use a base year or period of years other than 1990 in accordance with the provisions of Article 4, paragraph 6, of the Convention and decision 24/CP.19.

[b] The latest recalculated year is the submission year minus three years.

PART IV Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol (continued)				
			Provided	*Observation*
Reporting requirements under decision 2/CMP.8, annex II, paragraphs 1–5	Emissions by sources and removals by sinks are clearly distinguished from emissions from categories included in Annex A to the Kyoto Protocol		✓	
	Information on how inventory methodologies have been applied taking into account the *2006 IPCC Guidelines for National Greenhouse Gas Inventories* and any relevant supplementary guidance recognizing the principles laid out in decision 16/CMP.1		✓	
	Information on the geographical location of the boundaries of areas that encompass			
		Units of land subject to activities under Article 3, paragraph 3	✓	
		Units of land subject to activities under Article 3, paragraph 3, which would otherwise be included in land subject to forest management or elected activities under Article 3, paragraph 4	✓	
		Land subject to forest management or elected activities under Article 3, paragraph 4	✓	
	Information on the spatial assessment unit for determining the area of accounting for afforestation, reforestation and deforestation		✓	
	Information on GHG emissions/removals resulting from activities under Article 3, paragraph 3, and Article 3, paragraph 4, for all geographical locations reported in the current and previous years since the beginning of the commitment period or the onset of the activity, whichever comes later		✓	
	Information on carbon pools (above-ground/below-ground biomass, litter, dead wood and soil organic carbon) that are not accounted for		✓	
	When a Party applies the provisions for natural disturbances, information demonstrating that these emissions in any single year exceed the background level(s), including a margin, where needed. For this purpose, the Party shall include information showing			
		That all lands subject to exclusion due to natural disturbances are identified	✓	The Party clarified that it will not apply the provisions for natural disturbances for the years 2013–2016
		How annual emissions resulting from natural disturbances and the subsequent removals are estimated and excluded from the accounting	✓	The Party clarified that it will not apply the provisions for natural disturbances for the years 2013–2016
		That no land-use change has occurred on lands for which the provisions in decision 2/CMP.7, annex, paragraph 33, are applied	✓	The Party clarified that it will not apply the provisions for natural disturbances for the years 2013–2016

PART IV Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol (continued)		
	Provided	*Observation*
That events and circumstances were beyond the control of the Party	✓	The Party clarified that it will not apply the provisions for natural disturbances for the years 2013–2016
The efforts taken to rehabilitate the land for which the provisions contained in decision 2/CMP.7, annex, paragraph 33, are applied	✓	The Party clarified that it will not apply the provisions for natural disturbances for the years 2013–2016
That emissions associated with salvage logging were not excluded from the accounting	✓	The Party clarified that it will not apply the provisions for natural disturbances for the years 2013–2016
If not accounted for by instantaneous oxidation, information on GHG emissions/removals resulting from changes in the HWP pool accounted for in accordance with decision 2/CMP.7, including		
Activity data for the HWP categories used for estimating the pool removed from domestic forests, for domestic consumption and for export	✓	
Half-lives used in estimating emissions/removals for the HWP categories used	✓	
Whether emissions from HWP originating from forests prior to the start of the second commitment period have been included in the accounting, if the forest management reference level is based on a projection	✓	
How emissions from the HWP pool accounted for in the first commitment period on the basis of instantaneous oxidation have been excluded from the accounting for the second commitment period	✓	
How HWP resulting from deforestation has been accounted on the basis of instantaneous oxidation	✓	
How CO2 emissions from HWP in solid waste disposal sites and from wood harvested for energy purposes have been accounted on the basis of instantaneous oxidation	✓	
How emissions/removals from changes in the HWP pool accounted for do not include imported HWP	✓	
Information on anthropogenic GHG emissions from LULUCF activities under Article 3, paragraph 3, and Article 3, paragraph 4, factoring out removals from		
Elevated CO_2 concentrations above pre-industrial levels	✓	
Indirect nitrogen deposition	✓	

PART IV Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol (continued)				
			Provided	*Observation*
		The dynamic effects of age structure resulting from activities prior to 1 January 1990	✓	
Specific information to be reported for activities under Article 3, paragraph 3				
		Activities that began on or after 1 January 1990 and before 31 December of the last year of the commitment period, and are directly human-induced	✓	
		How harvesting or forest disturbance that is followed by the re-establishment of forest is distinguished from deforestation	✓	
Specific information to be reported for activities under Article 3, paragraph 4				
		Activities that have occurred since 1 January 1990 and are human induced	✓	
		Cropland management, grazing land management, revegetation, wetland drainage and rewetting: emissions/removals reported for each year of the commitment period and for the base year for each of the elected activities on the geographical locations reported	✓	Estonia does not elect cropland management, grazing land management, revegetation or wetland drainage and rewetting
		Emissions/removals from activities under Article 3, paragraph 4, are not accounted for under activities under Article 3, paragraph 3	✓	
		Information on how emissions arising from the conversion of natural forests to planted forests are accounted for	✓	
		Methodological consistency between the reference level and reporting for forest management	✓	
		Technical corrections made pursuant to decision 2/CMP.7, annex, paragraph 14	✓	
		Forest management: if emissions/removals from the harvest and conversion of forest plantations to non-forest land were included, information on how requirements set out in decision 2/CMP.7, annex, paragraphs 37–39 were met, including		
		The identification of all lands and associated carbon pools subject to decision 2/CMP.7, annex, paragraph 37, including the georeferenced location and year of conversion	✓	In chapter 11.1 of the NIR the Party reports they will not use the provision of carbon equivalent forest
		A demonstration that the forest plantation was first established through direct human-induced planting and/or seeding of non-forest land before 1 January 1990, and, if the forest plantation was re-established, that this last occurred on forest land through direct human-induced planting and/or seeding after 1 January 1960	✓	In chapter 11.1 of the NIR the Party reports they will not use the provision of carbon equivalent forest
		A demonstration that a new forest of at least equivalent area to the harvested forest plantation is established through direct human-induced planting and/or seeding of non-forested land that did not contain forest on 31 December 1989	✓	In chapter 11.1 of the NIR the Party reports they will not use the provision of carbon equivalent forest

PART IV Provision of information relating to KP-LULUCF activities under Article 3, paragraphs 3 and 4, of the Kyoto Protocol (continued)					
				Provided	*Observation*
			A demonstration that this newly established forest will reach at least the equivalent carbon stock that was contained in the harvested forest plantation at the time of harvest, within the normal harvesting cycle of the harvested forest plantation, and, if not, a debit would be generated under Article 3, paragraph 4	✓	In chapter 11.1 of the NIR the Party reports they will not use the provision of carbon equivalent forest